

ABSTRACT

A capacitance type liquid sensor is disclosed which detects a tilt angle and acceleration of an object using the fact that a liquid surface always keeps itself horizontal. Openings (13, 14) are formed in two sides of a hollow cylindrical closed container (6) made of an electrically insulating material, and the container has two parallel sides (2, 3). Plate-shaped main electrodes (4, 5) on at least one face of each of which silicon oxide film is formed are made to be in contact with the sides so as to close the openings, with the silicon oxide film being placed so as to face the inside of the container. A sealing agent (28) is interposed in a gap between the plate-shaped main electrodes and the sides. The container is filled with electrically conductive liquid (27) of an amount equal to substantially one-half of the inside volume of the container. An auxiliary electrode (8) brought into electrical contact with the conductive liquid is mounted in the container.